

Title (en)
Mobile communication network system and mobility managing unit

Title (de)
Mobilfunknetzwerk und Mobilitätssteuereinheit

Title (fr)
Système du réseau de communication mobile et une unité de gestion de mobilité

Publication
EP 1571869 A3 20060412 (EN)

Application
EP 05251313 A 20050304

Priority
JP 2004060454 A 20040304

Abstract (en)
[origin: EP1571869A2] A mobile communication network system (1) is disclosed. The network system comprises a transport network (30) including a plurality of routers (31), and a network control apparatus (20) for controlling mobility of a mobile node (40, MN1), characterized in that the network control apparatus (20) comprises a mobility managing unit (LRM1) for managing information (CDT) of a correspondent node (41, MN2) communicating with the mobile node (40, MN1); the mobility managing unit (LRM1) comprises a boundary router detecting unit for detecting that the mobile node (MN1) moves and reaches a boundary of a router (AR2) managed by the mobility managing unit (LRM1) itself; and a correspondent node information forwarding unit for forwarding the information (CDT) of the correspondent node (MN2) to a neighbor mobility managing unit (LRM2) having a similar structure, when it is detected that the mobile node (MN1) reaches a boundary of a router (AR2) managed by the mobility managing unit (LRM1) itself.

IPC 8 full level
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CPC (source: EP KR US)
A61H 23/006 (2013.01 - KR); **A61H 23/0254** (2013.01 - KR); **A61H 39/04** (2013.01 - KR); **A61N 2/002** (2013.01 - KR); **A61N 2/06** (2013.01 - KR); **H04W 40/36** (2013.01 - EP US); **A61H 2201/10** (2013.01 - KR); **A61H 2205/021** (2013.01 - KR); **H04W 8/085** (2013.01 - EP US); **H04W 8/087** (2013.01 - EP US); **H04W 8/22** (2013.01 - EP US); **H04W 24/00** (2013.01 - EP US); **H04W 64/00** (2013.01 - EP US); **H04W 92/24** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0823827 A2 19980211 - HEWLETT PACKARD CO [US]
- [A] US 2003144001 A1 20030731 - NAKATSUGAWA KEIICHI [JP], et al
- [Y] SHIM E ET AL: "Secure Candidate Access Router Discovery", WIRELESS COMMUNICATIONS AND NETWORKING, 2003. WCNC 2003. 2003 IEEE 16-20 MARCH 2003, PISCATAWAY, NJ, USA,IEEE, vol. 4, 16 March 2003 (2003-03-16), pages 1819 - 1824, XP002323683, ISBN: 0-7803-7700-1
- [A] LOUGHNEY J ET AL: "Context Transfer Protocol", IETF STANDARD-WORKING-DRAFT, INTERNET ENGINEERING TASK FORCE, IETF, CH, June 2003 (2003-06-01), XP015003309, ISSN: 0000-0004

Cited by
EP2129055A4; US9049625B2

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